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11 April 1980

MEMORANDUM FOR THE RECORD

SUBJECT: Proposed Utilization of [   ] ARS   25X1A

25X1A   1. A meeting was held at [   ] on 10 April
1980 to generally discuss FASTCAST utilization of
25X1A   ARS and the attendant programming preparation and
considerations. In attendance were [   ]

2. Discussion included:

(a) Conversion of LTU's from B-8 to B-10
configuration. (E1A to MIL-188)

(b) Purchase of B-10 LTU's vice conversion.

(c) Replacement of existing ARS core memory
w/higher speed MOSRAM to facilitate higher pro-
cessor throughput.

(d) Replacement of existing PDP 11/35 pro-
cessor with PDP 11/44 processor. (Discussed in
terms of cost trade-off against (a), (b) and
25X1A   (c). [   ] will request costs of above from
25X1   [   ] representative.)

The ARS switching of all SKYLINK stations, rather
than just FASTCAST traffic was briefly discussed as
an eventual possibility. However, the current FASTCAST
requirements and the expected expansion in that
direction would be quite enough to deal with at this
time.

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Programming of automatic ZKE (opening) and ZAL (closing) controls into ARS will be investigated. These controls are currently used by the field into MAX.

It was decided that initially there would be three system monitor positions consisting of a Super Bee CRT and two TI 700's at 300 BPS. Monitor printers could be used at terminal patching facilities.

Also discussed was the use of B-10 LTU's exclusively for stations within ARS. This would allow operation at speeds of 300 or/and 2400 BPS ASC11. Initially it was decided to use B-6 LTU's for 75 Baud low speed service and B-10 LTU's for FASTCAST on ARS switched stations.

3. It was determined that the proposed utilization of ARS for FASTCAST presents no major SOFTWARE problems at this time. Both OC-ED and ☐ representatives will pursue the optimum use of this system.

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4. The next meeting on this subject is set for 1 May 1980. At that time, ☐ will present a general plan for the initialization of FASTCAST ARS.

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5. Before the meeting was concluded, the first five listed attendees studied a lengthy list (one hundred and forty-two) on the status of SOFTWARE changes affecting ARS systems worldwide.

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